

TEST REPORT n° 162523/07

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Customer ERM ITALIA SpA
Address Via San Gregorio, 38
 20154 Milano
Project/Contract 0062523
Matrix Type Soil
Date received 12-mar-07
Customer Sample ID MW9/53
Laboratory Sample ID 01 / 25362
Test Report date of issue 05-apr-07
Sampling Date 09-mar-07
Sampling Procedure Sampling activity carried out by the Customer
Notes Type N

Compound Name	Amount and MU	UM	Date Prep Anal	MDL	Test Method Technique Prep Method	D.Lgs.152/06 P.IV-T.V- All.5 Tab.1/B
0 fraction sieved 2 mm dry basis at 105°C	55,9	%	13/03/2007 - 13/03/2007		D.M. 13/09/99 GU n° 248 Metodo II.1 Gravimetry D.M. 13/09/99 GU n° 248 Metodo II.1	
Residues						
0 residue at 105°C as total	87,6	%	12/03/2007 - 13/03/2007		CNR IRSA 2 Q 64 Vol 2 1984 Gravimetry CNR IRSA 2 Q 64 Vol 2 1984	
Metals						
0 arsenic as total and on dry basis at 105°C	2,44 ± 0,61	mg/Kg	16/03/2007 - 16/03/2007	0,024	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 50
0 cadmium as total and on dry basis at 105°C	<0,0025	mg/Kg	16/03/2007 - 16/03/2007	0,0025	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 15
0 chromium as total and on dry basis at 105°C	28,6 ± 7,1	mg/Kg	16/03/2007 - 16/03/2007	0,02	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 800
0 mercury as total and on dry basis at 105°C	0,0141 ± 0,0035	mg/Kg	16/03/2007 - 16/03/2007	0,0069	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 5
0 nickel as total and on dry basis at 105°C	17,5 ± 4,4	mg/Kg	16/03/2007 - 16/03/2007	0,026	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 500
0 lead as total and on dry basis at 105°C	2,43 ± 0,61	mg/Kg	16/03/2007 - 16/03/2007	0,027	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 1000
0 copper as total and on dry basis at 105°C	11,9 ± 3,0	mg/Kg	16/03/2007 - 16/03/2007	0,047	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 600
0 zinc as total and on dry basis at 105°C	30 ± 7,5	mg/Kg	16/03/2007 - 16/03/2007	0,094	EPA 6020A 1998 ICP-MS EPA 3051A 1998	< 1500
Metals						
0 chromium (VI) as total and on dry basis at 105°C	0,104 ± 0,031	mg/Kg	14/03/2007 - 14/03/2007	0,016	EPA 7199 Rev 0 1996 IC EPA 3060A 1996	< 15

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# pentaerythrite as total and on dry basis at 105°C	0,0506 ± 0,01	mg/Kg	19/03/2007 - 19/03/2007	0,013	SXLC001/05 LC/MS SXLC001/05	
# melamine as total and on dry basis at 105°C	0,835 ± 0,25	mg/Kg	26/03/2007 - 26/03/2007	0,16	SXLC003/04 LC/MS SXLC003/04	
# hexamethylenetetramine as total and on dry basis at 105°C	<0,0064	mg/Kg	19/03/2007 - 19/03/2007	0,0064	SXLC006/05 LC/MS SXLC006/05	
0 acetaldehyde as total and on dry basis at 105°C	0,0259 ± 0,0078	mg/Kg	14/03/2007 - 14/03/2007	0,0002	EPA 8315A 1996 LC/DAD EPA 8315A 1996	
0 formaldehyde as total and on dry basis at 105°C	0,182 ± 0,055	mg/Kg	14/03/2007 - 14/03/2007	0,00033	EPA 8315A 1996 LC/DAD EPA 8315A 1996	
HC Compounds						
0 HC >C12 <C40 as total and on dry basis at 105°C	<0,65	mg/Kg	13/03/2007 - 13/03/2007	0,65	EPA 8015D 2003 GC/FID EPA 3550C 2000	< 750
0 TPH < C12 as total and on dry basis at 105°C	1,32 ± 0,4	mg/Kg	13/03/2007 - 14/03/2007	0,12	EPA 8015D 2003 GC/MS EPA 5035A 2002	< 250
Alcohols						
0 methanol as total and on dry basis at 105°C	<0,1	mg/Kg	13/03/2007 - 13/03/2007	0,1	EPA 8015D 2003 GC/FID EPA 5035A 2002	
Semivolatile Aromatic amine						
0 aniline as total and on dry basis at 105°C	<0,035	mg/Kg	14/03/2007 - 15/03/2007	0,035	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
Phenolic Compounds						
0 2,4,6-trichlorophenol as total and on dry basis at 105°C	<0,028	mg/Kg	14/03/2007 - 15/03/2007	0,028	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
0 2,4-dichlorophenol as total and on dry basis at 105°C	<0,012	mg/Kg	14/03/2007 - 15/03/2007	0,012	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50
0 2-chlorophenol as total and on dry basis at 105°C	<0,037	mg/Kg	14/03/2007 - 15/03/2007	0,037	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 25
0 2-methylphenol as total and on dry basis at 105°C	<0,035	mg/Kg	14/03/2007 - 15/03/2007	0,035	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 3-methylphenol as total and on dry basis at 105°C	<0,033	mg/Kg	14/03/2007 - 15/03/2007	0,033	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 4-methylphenol as total and on dry basis at 105°C	<0,04	mg/Kg	14/03/2007 - 15/03/2007	0,04	EPA 8270D 2006 GC/MS EPA 3550C 2000	
0 phenol as total and on dry basis at 105°C	<0,039	mg/Kg	14/03/2007 - 15/03/2007	0,039	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 60
0 pentachlorophenol as total and on dry basis at 105°C	<0,036	mg/Kg	14/03/2007 - 15/03/2007	0,036	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
PAHs						
0 - total PAHs as total and on dry basis at 105°C	<0,046	mg/Kg	----- - 15/03/2007	0,046	EPA 8270D 2006 GC/MS	
0 benzo[a]anthracene as total and on dry basis at 105°C	<0,043	mg/Kg	14/03/2007 - 15/03/2007	0,043	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[a]pyrene as total and on dry basis at 105°C	<0,03	mg/Kg	14/03/2007 - 15/03/2007	0,03	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10

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PAHs						
0 benzo[b]fluoranthene as total and on dry basis at 105°C	<0,028	mg/Kg	14/03/2007 - 15/03/2007	0,028	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[g,h,i]perylene as total and on dry basis at 105°C	<0,033	mg/Kg	14/03/2007 - 15/03/2007	0,033	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 benzo[k]fluoranthene as total and on dry basis at 105°C	<0,04	mg/Kg	14/03/2007 - 15/03/2007	0,04	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 chrysene as total and on dry basis at 105°C	<0,028	mg/Kg	14/03/2007 - 15/03/2007	0,028	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50
0 dibenzo[a,e]pyrene as total and on dry basis at 105°C	<0,043	mg/Kg	14/03/2007 - 15/03/2007	0,043	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo[a,h]anthracene as total and on dry basis at 105°C	<0,039	mg/Kg	14/03/2007 - 15/03/2007	0,039	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo[a,h]pyrene as total and on dry basis at 105°C	<0,031	mg/Kg	14/03/2007 - 15/03/2007	0,031	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo(a,i)pyrene as total and on dry basis at 105°C	<0,046	mg/Kg	14/03/2007 - 15/03/2007	0,046	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 dibenzo(a,l)pyrene as total and on dry basis at 105°C	<0,026	mg/Kg	14/03/2007 - 15/03/2007	0,026	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 10
0 indeno[1,2,3-cd]pyrene as total and on dry basis at 105°C	<0,031	mg/Kg	14/03/2007 - 15/03/2007	0,031	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 5
0 pyrene as total and on dry basis at 105°C	<0,04	mg/Kg	14/03/2007 - 15/03/2007	0,04	EPA 8270D 2006 GC/MS EPA 3550C 2000	< 50

Test Report End

Parameters flagged with # have been carried out using test methods which are not included in the accredited tests list submitted to the Italian Accreditation Body SINAL. Accredited parameters are flagged with a number designating the category for which they have been accredited for by the Italian Accreditation Body SINAL.

For the accredited test, run in compliance with the modality described in the Accreditation itself, SINAL guarantees:

the competence of the personnel, the availability of suitable instrumentation, and the compliance of the test to the recalled Test Method or Procedure.

"MDL" values indicate, if applicable, the Method Detection Limit (amended by all applicable correction coefficients) for each tested parameter according to the recalled Test Method or Procedure.

The reported Measurement Uncertainty is an Expanded calculated using a coverage factor of 2 with 95% confidence level.

Laboratory Manager

